

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims:

1. (Currently Amended)

An A collapsible optical unit of a collapsible type in which comprising:

a rear barrel;

a fixed barrel attached to the rear barrel;

at least one lens barrel is supporting a first group lens frame and movable along the direction of the an optical axis of the optical unit with respect to a the fixed barrel and image-pickup means is provided behind said lens barrel, comprising: barrel; and

position-detecting means attached to the rear barrel and provided in said lens barrel within said fixed barrel for detecting a position of the lens barrel.

2. (Currently Amended)

An optical unit according to claim 1, wherein said

position-detecting means includes a fin-shaped projection provided in attached to one of said fixed rear barrel and said movable lens barrel and a photo-sensor provided in the other attached to the remaining of said fixed rear barrel and said movable lens barrel.

3. (Original)

An optical unit according to claim 1, wherein said one lens barrel

is a straight-forward guide ring including a second group lens frame movable along the direction

of the optical axis, and said position-detecting means detects a position of said second group lens frame.

4. (Original) An optical unit according to claim 3, wherein said second group lens frame is a zoom lens capable of setting a zoom range by changing a position in said optical axis direction, and said position-detecting means detects the zoom range of said lens.

5. (Original) An optical unit according to claim 4, further comprising:
moving means for moving said zoom lens toward a telephoto position when the zoom lens is between a collapsed position and said telephoto position,
wherein a position of said second group lens frame is detected by said position-detecting means between said collapsed position and a wide position, and a position of said second group lens frame is not detected by the position-detecting means between the wide position and the telephoto position.

6. (Currently Amended) An image-pickup apparatus including a collapsible type optical unit having comprising:
a rear barrel;
a fixed barrel attached to the rear barrel,
at least one lens barrel movable with respect to said fixed barrel along the direction of the an optical axis of the optical unit,
image-pickup means arranged behind said lens barrel, and

position-detecting means attached to the rear barrel for detecting a position of the lens barrel within said fixed barrel, ~~said image-pickup apparatus is a camera unit such as a digital still camera and a digital video camera.~~

7. (New) The image-pickup apparatus of claim 6, wherein the image-pick-up apparatus is a digital still camera.

8. (New) The image-pickup apparatus of claim 6, wherein the image-pick-up apparatus is a digital video camera.

9. (New) The collapsible optical unit of claim 3, comprising:
a third group lens frame attached to the rear barrel,
wherein the position-detecting means includes a fin-shaped projection attached to the movable lens barrel and projecting towards the rear barrel and a photo-sensor attached to the rear barrel at a position to detect the second group lens frame immediately before coming in contact with the third group lens frame.